

FIG. 1

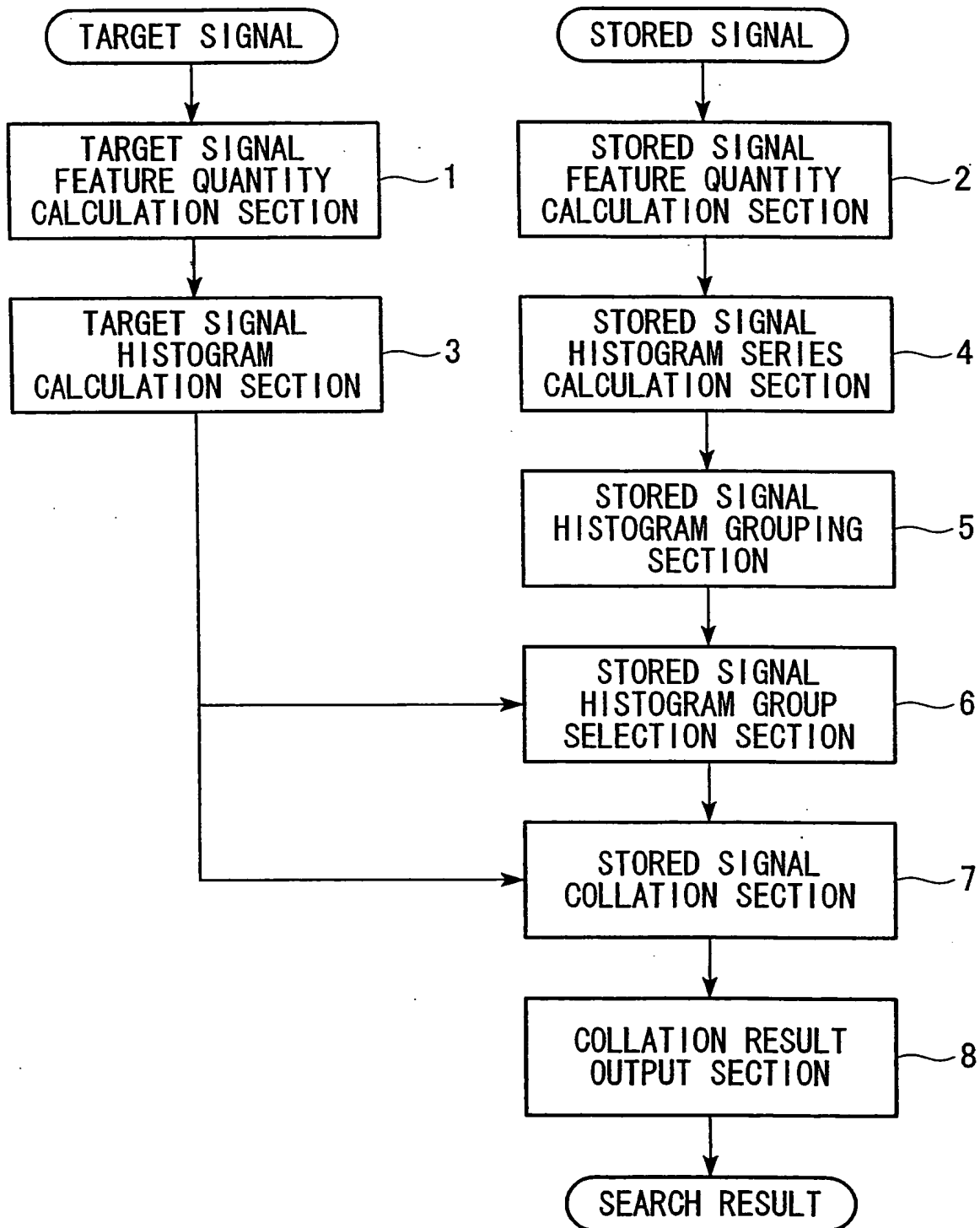


FIG. 2

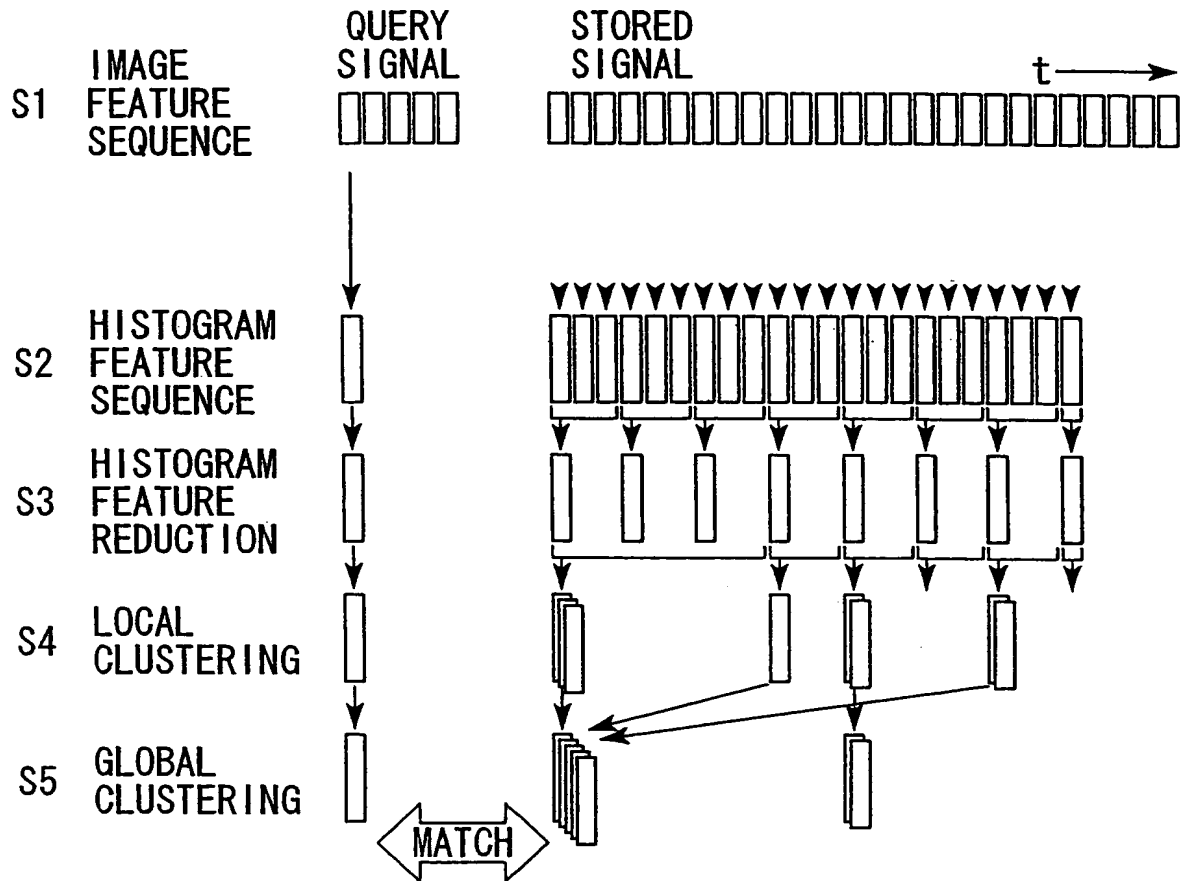


FIG. 3

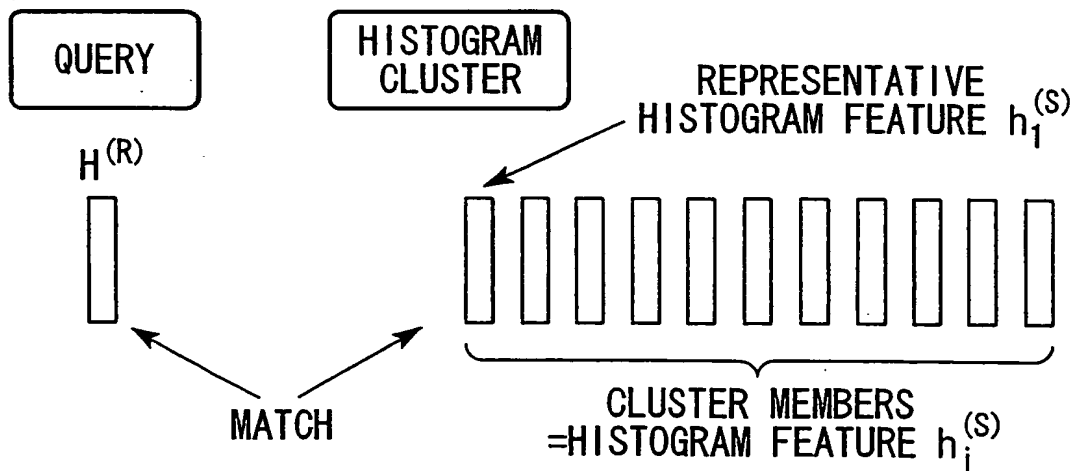


FIG. 4

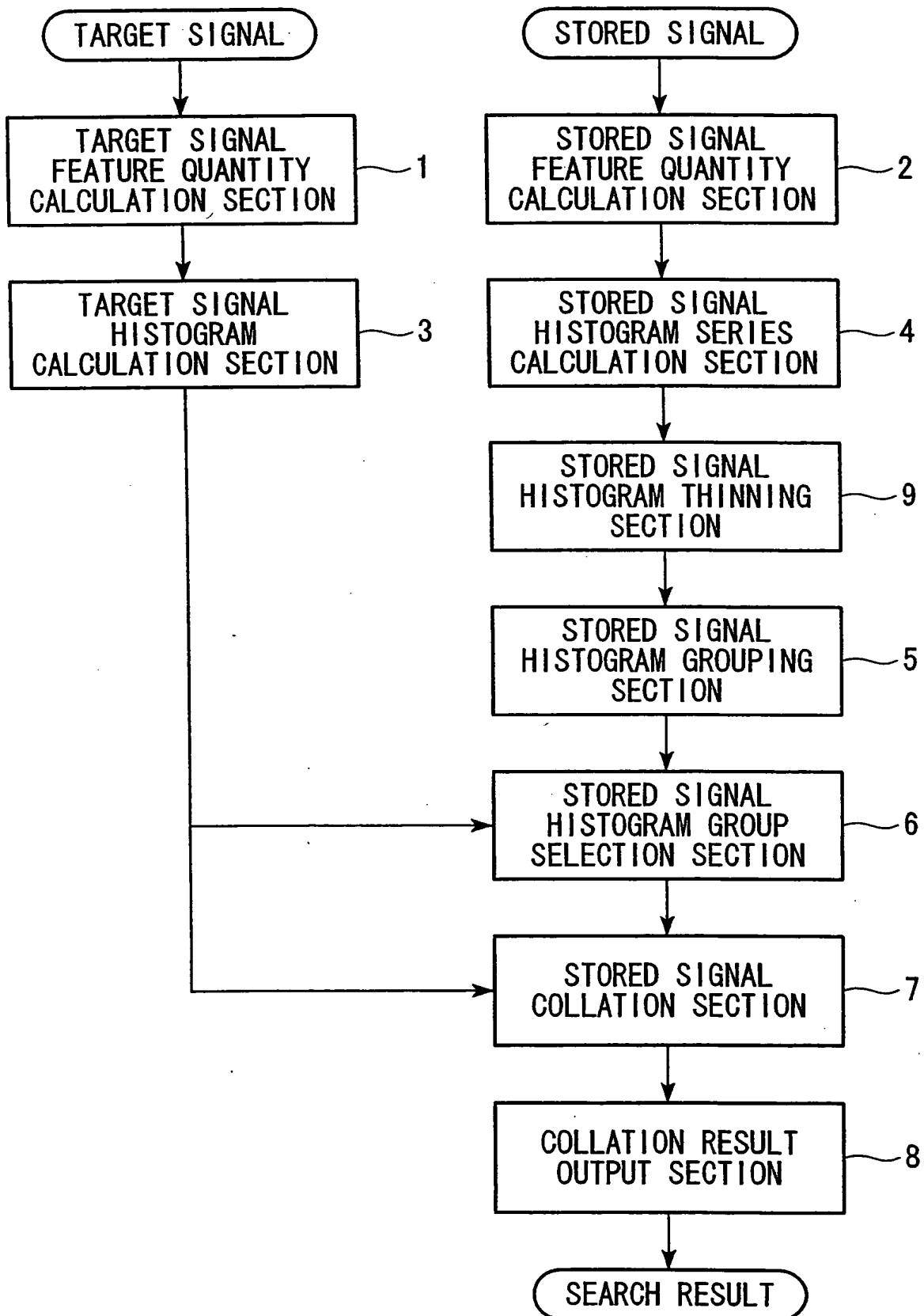


FIG. 5

METHOD	REQUIRED AVERAGE CPU TIME	REQUIRED NUMBER OF COLLATIONS
PRIOR ART (TAS)	205ms	92785
(1)+TSA	45ms	102683
EMBODIMENT 1 OF PRESENT INVENTION (1)+(2)	42ms	102639
EMBODIMENT 2 OF PRESENT INVENTION ((1)+(2)+(3))	15ms	66458

- (1) HISTOGRAM THINNING
- (2) LOCAL GROUPING
- (3) GLOBAL GROUPING